

SOG Series

AIRBEST

Oval Concave Suction Cup Special for Cylindrical Objects



CYLINDRICAL
OBJECT



BATTERY



SLIPPING
RESISTANCE

RoHS

Features

- ◇ Concave sealing lip structure
- ◇ Internal groove structure

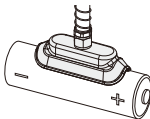
Advantages

- ◇ Suitable for handling cylindrical workpiece
- ◇ Effectively increase the friction force between suction cup and workpiece surface



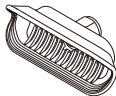
Applications

- ◇ Suitable for cylindrical workpieces, such as steel pipes, plastic round pipes, lithium batteries, etc
- ◇ Handling oily round metal pipes



Structure

- ◇ Concave oval flat structure design



How to order

SOG 35×100 N - G2F

① ② ③ ④

① Series	② Size	③ Material & Hardness	④ Connection thread
SOG	15×40	N - NBR 45	M5F - M5×0.8 female thread
	35×100		M5M - M5×0.8 male thread
			G2F - G1/4 female thread
			G3F - G3/8 female thread
			G2M - G1/4 male thread
			M10M - M10×1.5 male thread
			M14M - M14×1.5 male thread
			RA - Rectangular adapter

Selection

Model	Connection thread	G2M	M10M	M14M
SOG15×40N-□	SOG15×40N-M5M	-	-	-
SOG35×100N-□	-	SOG35×100N-G2M	SOG35×100N-M10M	SOG35×100N-M14M

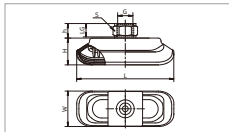
Model	Connection thread	G2F	G3F	RA
SOG15×40N-□	SOG15×40N-M5F	-	-	-
SOG35×100N-□	-	SOG35×100N-G2F	SOG35×100N-G3F	SOG35×100N-RA

Technical parameters

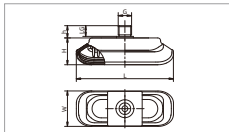
Model	Vertical pull-out force N	Inner volume cm ³	Min. curve radius of workpiece mm	Weight g	Recommended hose dia. mm	MPQ pcs
SOG15×40	22	1.3	8	17	6	5
SOG35×100	122	11	25	23	8	1

○ Note: Testing vacuum level -60kPa, workpiece with smooth and clean surface. The data of pull-out force as above are figured out without considering safety factor. The data may be different according to different workpiece surfaces.

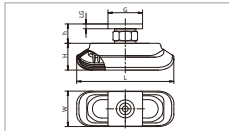
Dimensions(mm)



F - Female thread connection



M - Male thread connection



RA - Rectangular adapter

Model/Size	L	W	H	G	LG	h	S
SOG15x40N-M5F	42	15.5	14	M5x0.8	-	-	-
SOG15x40N-M5M	42	15.5	14	M5x0.8	5	6.5	8
SOG35x100N-G2F	100.5	36.5	28	G1/4	11	14	17
SOG35x100N-G3F	100.5	36.5	28	G3/8	11	14	22
SOG35x100N-G2M	100.5	36.5	28	G1/4	9	11	5
SOG35x100N-M10M	100.5	36.5	28	M10x1.5	12	13.5	5
SOG35x100N-M14M	100.5	36.5	28	M14x1.5	12	13.5	5
SOG35x100N-RA	100.5	36.5	28	31.8x31.8	4.7	18.7	-

○ Note: The dimensional tolerance conforms to GB/T6723-2002-1 M3 rubber product dimensional tolerance standard